

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05770-156001	Application No. 09/855,312
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Martin W. Rupich et al.	
		Filing Date May 14, 2001	Group Art Unit

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
MM	AA	3,763,552	10/09/73	Brown et al.			
	AB	3,985,281	10/12/76	Diepers et al.			
	AC	4,442,396	04/10/84	Hucker			
	AD	4,659,973	04/21/87	Stich			
	AE	4,994,433	02/19/91	Chiang			
	AF	5,038,127	08/06/91	Dersch			
	AG	5,071,828	12/10/91	Greuter et al.			
	AH	5,073,537	12/17/91	Hung et al.			
	AI	5,231,074	07/27/93	Cima et al.			
	AJ	5,449,659	09/12/95	Garrison et al.			
	AK	5,741,377	04/21/98	Goyal et al.			
	AL	5,866,252	02/02/99	de Rochemont et al.			
↓	AM	5,968,877	10/19/99	Budai et al.			
MM	AN	6,027,564	02/22/00	Frizemeier et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
MM	AO	0 308 869	09/20/88	Europe			X	
	AP	0 387 525	09/19/90	Europe			X	X
	AQ	0 431 782	06/12/91	Europe			X	
	AR	0 506 582	09/30/92	Europe			X	
	AS	0 584 410	03/02/94	Europe			X	
↓	AT	0 872 579	10/21/98	Europe			X	
MM	AU	57075564	05/12/82	Japan (Abstract Only)			X	
MM	AV	63310366	12/19/88	Japan (Abstract Only)			X	
MM	AW	57075564	05/12/82	Japan				X
MM	AX	63310366	12/19/88	Japan				X

Examiner Signature DM Brunsman	Date Considered 8/4/03
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Foreign Patent Documents or Published Foreign Patent Applications								
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							Yes	No
MM	AY	WO 91/16149	10/31/91	WIPO				
MM	AZ	WO 92/05591	04/02/92	WIPO				
MM	AAA	WO 97/05669	02/13/97	WIPO				
MM	ABB	WO 98/58415	12/23/98	WIPO				
MM	ACC	WO 99/16941	04/08/99	WIPO				
MM	ADD	WO 99/17307	04/08/99	WIPO				
MM	AEE	WO 99/25908	05/27/99	WIPO				
MM	AFF	WO 99/35083	07/15/99	WIPO (Abstr. English)				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
MM	AGG	Apicella, M.L. et al., "The Effects of Surface Contamination on the Biaxially Textured Substrate for YBCO Thick Film Deposition", <i>International Journal of Modern Physics B</i> , Vol. 13, Nos. 9&10 (1999) 997-1004
MM	AHH	Beach et al., "Sol-Gel Synthesis of Rare Earth Aluminate Films as Buffer Layers for High Te Superconducting Films", <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 495, (1998), p. 263-270
MM	AII	Boffa V. et al., "Laser-ablation deposition of CeO ₂ thin films on biaxially textured nickel substrates", <i>Physica C</i> , Vol. 312, (1999), pp. 202-212
MM	AJJ	Gupta et al., "Superconducting oxide films with high transition temperature prepared from metal trifluoroacetate precursors", <i>320 Applied Physics Letters</i> , Vol. 52, (1988) pp. 2077-2079
MM	AKK	IBM Technical Disclosure Bulletin, "Fabrication of High Temperature Superconducting Films Using Perfluoro-Organometallic Precursors", Vol. 32, No. 5B, (October 1989), p. 241
MM	ALL	Koster et al., "Influence of the Surface Treatment on the Homoepitaxial Growth of SrTiO ₃ ", <i>Materials Science & Engineering B56</i> , (1998) p. 209-212
MM	AMM	Lee et al., "Alternative Buffer Architectures for High Critical Current Density YBCO Superconducting Deposits on Rolling Assisted Biaxially-Textured Substrates", <i>Japanese J. Appl. Phys.</i> , Vol. 38, (1999), L178-L180
MM	ANN	McIntyre, Paul C. et al., "Epitaxial nucleation and growth of chemically derived Ba ₂ YCu ₃ O _{7-x} thin films on (001) SrTiO ₃ ", <i>Journal of Applied Physics</i> , 77 (1995), pp. 5263-5272
MM	AOO	McIntyre, Paul C. et al., "Effect of growth conditions on the properties and morphology of chemically derived epitaxial thin films of Ba ₂ YCu ₃ O _{7-x} on (001) LaAlO ₃ ", <i>J. Appl. Phys.</i> , Vol. 71, No. 4 (February 15, 1992), pp. 1868-1877
MM	APP	Paranthaman et al., "Growth of Biaxially Textured RE ₂ O ₃ Buffer Layers on Rolled-Ni Substrates Using Reactive Evaporation for HTS-Coated Conductors", <i>Superconductor Sci. Tech.</i> , Vol. 12, (1999), pp. 319-325
MM	AQQ	Qing He, D.K. et al., "Growth of Biaxially Oriented Conductive LaNiO ₃ Buffer Layers on Textured Ni Tapes for High-T _c -Coated Conductors", <i>Physica C</i> 314 (1999) p. 105-111

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Other Documents (include Author, Title, Date, and Place of Publication)		
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MM	ARR	Qing He, D.K. et al., "Deposition of biaxially-oriented metal and oxide buffer-layer films on textured Ni tapes: new substrates for high-current, high-temperature superconductors", <i>Physica C</i> , Vol. 275 (1997) pp. 155-161
MM	ASS	Rupich et al., "Growth and Characterization of Oxide Buffer Layers for YBCO Coated Conductors", <i>IEEE Trans. on Appl. Superconductivity</i> , Vol. 9, (1999), pp. 1527-1530
MM	ATT	Sheth, Atul et al., "Bench Scale Evaluation of Batch Mode Dip-Coating of Sol-Gel LaAlO ₃ Buffer Material", <i>IEEE Transactions on Applied Superconductivity</i> , Vol. 9, No. 2 (June 1999), pp. 1514-1518
MM	AUU	Shoup et al., "Epitaxial Thin Film Growth of Lanthanum and Neodymium Aluminate Films on Roll-Textured Nickel Using a Sol-Gel Method", <i>J. Am. Cer. Soc.</i> , Vol. 81, (1998), pp. 3019-3021
MM	AVV	"Silicon Processing for the VLSI Era", Vol. 1, eds. S. Wolf and R.N. Tanber, Lattice Press, Sunset Park, CA, pp. 539-574 (1986)
MM	AWW	Smith, J.A. et al., "High Critical Current Density Thick MOD-Derived YBCO Films", <i>IEEE Transactions on Applied Superconductivity</i> , Vol. 9, No. 2 (June 1999), pp. 1531-1534
MM	AXX	Tanaka et al., "Improvement of Yba ₂ Cu ₃ O _x Single-Crystal Surface by Chemical Etching", <i>Jpn. J. Appl. Phys.</i> , Vol. 38 (1999) p. L731-L733

* no month provided

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	Filing Date May 14, 2001	Group Art Unit	

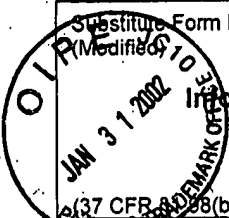
U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
AM	AA	6,022,832	02/08/00	Fritzemeier et al.	1	1	
AM	AB	6,172,009	01/09/01	Smith et al.	1	1	
AM	AC	6,256,521	07/03/01	Lee et al.	1	1	
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	AL							
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	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
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	Applicant Martin W. Rupich et al.		
	Filing Date May 14, 2001	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>DM</i>	AA	4,859,652	08/22/89	Block			
<i>DM</i>	AB	4,882,312	11/21/89	Mogro-Campero et al.			
<i>DM</i>	AC	4,956,340	09/11/90	Kimura et al.			
<i>DM</i>	AD	4,959,347	09/25/90	Kobayashi et al.			
<i>DM</i>	AE	4,994,435	02/19/91	Shiga et al.			
<i>DM</i>	AF	5,229,358	07/20/93	Kumar			
<i>DM</i>	AG	5,236,890	08/17/93	Murakami et al.			
<i>DM</i>	AH	5,304,533	04/19/94	Kobayashi et al.			
<i>DM</i>	AI	5,427,055	06/27/95	Ichikawa			
<i>DM</i>	AJ	5,484,766	01/16/96	Shah et al.			
<i>DM</i>	AK	5,571,603	11/05/96	Utumi et al.			
<i>DM</i>	AL	5,958,599	09/28/99	Goyal et al.			
<i>DM</i>	AM	5,981,445	11/09/99	Kirchnerova et al.			
<i>DM</i>	AN	6,022,832	02/08/00	Fritzemeier et al.			
<i>DM</i>	AO	6,077,344	06/20/00	Shoup et al.			
<i>DM</i>	AP	6,172,009	01/09/01	Smith et al.			
<i>DM</i>	AQ	6,256,521	07/03/01	Lee et al.			

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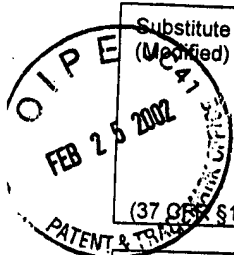
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	AR						

Other Documents (include Author, Title, Date, and Place of Publication)		
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<i>DM</i>	AS	G. Moore et al., "Sol-Gel Processing of $Y_1Ba_2Cu_3O_{7-x}$ Using Alkoxide Precursors: Two Systems Yielding High Degrees of Thin Film Orientation and Crystal Growth", <i>Materials Letters</i> , Vol. 7, No. 12, March 1989, pp. 415-424
<i>DM</i>	AT	M.W. Rupich et al., "Synthesis of Superconductors from Soluble Metal Oxo Alkoxide Precursors", <i>J. Mater. Res.</i> , Vol. 8, No. 7 (July 1993), pp. 1487-1496

Examiner Signature <i>DM Brunsman</i>	Date Considered 8/4/03
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Sheet 1 of 1



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U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.
05770-156001

Application No.
09/855,312

Information Disclosure Statement by Applicant

(Use several sheets if necessary)

(37 CFR § 1.98(b))

Applicant
Martin W. Rupich et al.

Filing Date
May 14, 2001

Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>mm</i>	AA	5,728,214	03/17/98	Konishi et al.			
<i>mm</i>	AB	5,964,966	10/12/99	Goyal et al.			
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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>mm</i>	AL	WO 01/98076	12/27/01	WIPO				
	AM							
	AN							
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Other Documents (include Author, Title, Date, and Place of Publication)

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	AT	

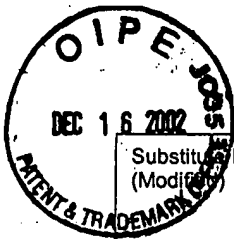
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Dr. B. Rupich

Date Considered

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(37 CFR §1.98(b))

Applicant
Martin W. Rupich et al.Filing Date
May 14, 2001Group Art Unit
1762**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
MMB	AA	EP 0 277 020 A	8/3/88	EP				
MMB	AB	EP 0 301 591 A	2/1/89	EP				
MMB	AC	EP 0 349 444 A	1/3/90	EP				
MMB	AD	EP 0 431 813 A	6/12/91	EP				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
MMB	AE	International Search Report PCT/US01/32229 dated 9/21/2002

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Examiner Signature

M. Bruisman

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